

ABSTRACT

A plasma display device provided with a green color phosphor which is charged entirely with a positive potential, adsorbs only limited amounts of water, carbon monoxide, carbon dioxide and hydrocarbon, and not liable to

5 cause chemical reaction thereto. A green color phosphor layer is formed of the green phosphor comprising at least one compound selected from among materials defined by the general formulae of $M_{1-a} (Ga_{1-x}Al_x)_2 O_4:Mn_a$ (where "M" denotes one of Zn, Mg, Ca and Sr), $(Y_{1-a-y}Gd_a) (Ga_{1-x}Al_x)_3 (BO_3)_4:Tb_y$, $(Y_{1-a-y}Gd_a) (Ga_{1-x}Al_x)_3 (BO_3)_4:Ce_y, Tb_y$, $(Y_{1-a-y}Gd_a) BO_3:Tb_y$ and $(Y_{1-a-y}Gd_a)_3$

10 $(Ga_{1-x}Al_x)_5 O_{12}:Tb_y$.